	recimited	kepot t	NO.	4

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a. Current Status of Work

The following areas have been worked on during the period starting April 24, 1965.

- 1. Target fabrication. The equipment to produce the final targets have been designed and built. The fabrication of the target has been started.
- 2. During this reporting period we received a complete set of filters. The first set is mounted in the holders and we have begun our evaluation to determine the best contrast values for these filters.
- 3. The additive method, as described in Report No. 3, was more fully studied. Our conclusion is that, for the purpose of checking viewers, this method is preferable. There is no need to change the input platen of the equipment, and the precision obtainable is about the same as in the originally-proposed method. The best way to implement this method seems to be to use targets with a visibility $V_T = V_0 = 1$. (See Report No. 3, Page 8, Equation 14.) Equation (15) then becomes

$$\mathcal{T} = \frac{I_1'}{I_0'} \tag{1}$$

With a simple photocell arrangement we can thus determine τ .

The method to be pursued will be discussed with your representative on July 8, 1965.

b. Problem Areas Encountered

No problem areas were encountered.

c. Projected Work for Next Monthly Period

The evaluation of the target and filter will be continued.

Target fabrication will continue. After the decision

has been made regarding the method to be used, the

design of the final equipment will be started.

d. Status of Funds Expended

From the period of April 24, 1965 to June 25, 1965 the

figure includes direct labor, materials, overhead and G. and A., and fixed fee.

e. Documentation of any verbal committments and/or agreements with the Technical Representatives of the Contracting Officer during the reporting period

There have been no verbal committments during this re-

porting period.

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Submitted by		
	30 June 1965	

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SECRET Approved Re	lease 200	A A GONF	分科) 	SSIFIED	
CONTRACT INSPECTIO	N REPORT		contract no.	TASK NO.		
TO:			DATE 3065			
ENGINEERING SECTION/CB/	PD/OL		31. March 1965 INSPECTION REPORT NO.	(If final, so state)		
25X1A			ESTIMATED COMPLETION DATE 15 December 1965			
NAME OF CONTRACTOR						
TYPE OF COMMODITY OR SERVICE					****	
Sine Have Test Equi	pment					
THE CONTRACTOR IS ON SCHEDULE			THE CONTRACTOR WILL PRO			
¥ YES	NO		FUNDS FYES NO IF ANSWER IS "NO" ADVISE REC- OMMENDATION AND/OR ACTION OF SPONSORING OFFICE, ON			
PER CENT OF WORK COMPLETED -			REVERSE HEREOF. IF KNO DITIONAL FUNDS INVOLVED		DE OF AD-	
HAS AN INTERIM REPORT, FIN	AL REPORT,	PROTOTYPE	OR OTHER END ITEM BEEN	RECEIVED FROM THE CO	NTRACTOR	
DURING THE PERIOD? YES HAS GOVERNMENT-OWNED PROPE	\prod NO (If	yes, give	details on reverse side.)		
(If yes, indicate items, quanti	ty, and co	st on reve	rse side.)	1281001	МО	
		INCE	NT I VES			
S THIS AN INCENTIVE CONTRACT F YES, CHECK TYPE	YES	□ NO	NOTE: USE REVERSE SIDE FOR CO	MMENTS.		
COST PERFORMANCE	□ •	LIVERY	FINAL REPORT MUST CONTA	IN INCENTIVE EVALUAT	ION.	
	OVERALL	PERFORMAI	NCE OF CONTRACTOR			
1. OUTSTANDING	3. [A	BOVE AVERA	GE 5. BELOW A	VERAGE 7. UNSAT	ISFACTORY	
2. EXCELLENT	4 A	VERAGE	6. BARELY	ADEQUATE		
IF OVERALL PERFORMANCE OF REVERSE SIDE.	CONTRACTOR	IS UNSATI	SFACTORY OR BARELY ADEQUA	ATE, INDICATE REASONS	ON	
	-	RECOMMEN	DED ACTION			
CONTINUE AS PROGRAMMED			WITHHOLD PAYMENT	PEND I NG		
			SATISFACTORY PERF	ORMANCE		
TERMINATE			OTHER (Specify)			
IF TERMINATION IS RECOMMEN FORM ON CONTRACTOR'S PERFORMANC RECEIVED. THESE INCLUDE, WHERE	CE AND CERT	IFY THAT A	LL DELIVERABLE !TEMS UND!	S ON REVERSE IN NARRA ER THE CONTRACT HAVE	TIVE BEEN	
ITEM	REC D	DOES NOT APPLY	ITEM	REC'D	DOES NO	
ROTOTYPES			MANUALS			
RAWINGS AND SPECIFICATIONS RODUCTION AND/OR OTHER			FINAL REPORT SPECIAL TOOLING			
ND !TEMS			OTHER GOVERNMENT PROPER	TY	-	
ATE OF LAST CONTACT WITH CONTRACTOR	1	•			·	
IGNATURE OF INSPECTOR	·		DIVISION			
5X1A			Ban a			
NSPECTOR S EXTENSION			SIGNATURE OF APPROVER			
		i	S. SHANDAL OF AFFRONCE			
Approved For Re	lease 200	2/11/15 -	CIA-RDP78D04747A06)2000030031-3		
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	Approved For Release 2002/11/15 : CIA-RI NARRATIVE REPORT	DP78B04747A0020000300	D31-3 FINAL
 1	Monthly inspection reports have A meeting was held 15 March 1969 for the purpose of reviewing progress for the sine-wave filters, which are	5 at the contractor's	facilities
נ] 25X1A	Development Laboratory.	CONTRACTOR OF THE ACTUAL	· · · · · · · · · · · · · · · · · · ·
1	the sine-wave filters which were deli- decided that subsequent filters would to glass plates) and that modulations	be made on film (se	44400
25X1A	The EDL will continue its work of ically supply trial samples to of filters is to be furnished with in codulation, characterisite curve, etc. the end of the contractor's program.	n the filters and will The f	l period- inal group
i t R b	The project monitor reviewed view for which the sine-wave testing equipoptical performance. The testing equipoptical performance. It will have a viewer's film plane. It will have his might offer some physical problem in the property of the present contract and which the property of the present contract and which the project of the present contract and which the project of the present contract and which the present contract and which the present contract and the present contract	ment will be used to ipment's target will we a maximum thickness ma with, for instance this area are severe ticipated with microsecifically included in the might remains a more consistent of the might remain a might remain a more consistent of the might remain a might be a might remain a might be a might remain a might be a might	measure be placed s of 2 cm: , the ly limited cope-type n the
s ri Ri m t	has chosen to 020 1/mm sine-wave targets which, as to be GFE. At the time of contract no GFE stipulation would relieve the contract performance standards (see sport, third paragraph of the discussion their own targets was discussed treat procurement of targets from any other source as a separate,	egotiations, it was footractor of otherwise 5 January 1955 Inspection). The alternative and it was believed to either	were elt that etion
25X1A ••• 5X1A	Although we have not officially on our aged roving that they will or will not be is absorbing this part of its work on the testing on	committed ourselves, vert at least up to the able to meet specific preliminary experiment	point of
UNC! A	Sâbbl50ed Fol-Kelease 2002/11/150NCIAEN	11 PATR R047	D31-3

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CONTRACT INSPECTION REPORT (Contd)

A 13-bar target, however, is required for the sine-wave testing equipment: specifications are not extere since only the first harmonic of the 13 line pairs will be used. Periodicity is the only binding characteristic, although contrast must be moun.

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25X1A	office these characteristics can be far less proofes they at	25X
	has the coahility of many in its program,	
	has the epability of producing the 13-bar target. The company has	
	recently microscopilly and the company has	
	recently successfully achieved the 600/ 1/mm target and is now	
	involves in perfecting special off	
	involved in perfecting special oil emersion techniques for the	
25X1A	THE PARTY OF THE P	
20/(1/(month) from current work as well as a report (within the	
05744	month) from set the set of the se	
25X1A	their effort, we will take action to the relative success or failure of	
	their effort, we will take action in the appropriate direction.	